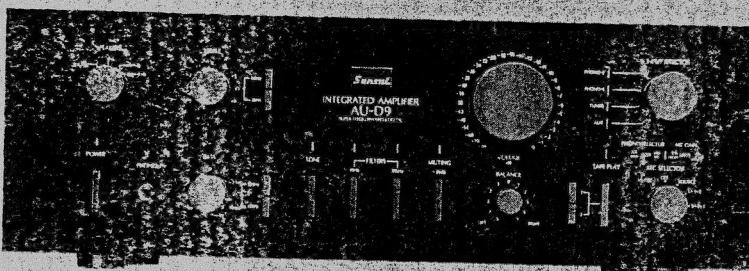


SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI AU-D9



SPECIFICATIONS

Power output

Min. RMS - both channels driven, from 10 to 20,000 Hz, with no more than 0.005 % total harmonic distortion.

95 watts per channel into 8 ohms

Load impedance

8 ohms

Total harmonic distortion

less than 0.005 % at or below rated min. RMS power output

Intermodulation distortion (60 Hz - 7 kHz = 4:1 SMPTE method)

less than 0.005 % at rated power output

Frequency response (at 1 watt)

Overall (from AUX)

DC to 300,000 Hz, +0 dB,

-3.0 dB

RIAA curve deviation (PHONO-MM, 20 Hz to 20 kHz)

+0.2 dB, -0.2 dB

Rise time

0.8 usec

Stow rate

±200 V/usec

Damping factor (1 kHz, both channels driven)

150 into 8 ohms

Input sensitivity and impedance (at 1 kHz)

PHONO-1, 2 (MC)

HIGH 100 μV/LOW 250 μV/

100 ohms

(Max. input capability: 20 mV at 1 kHz, less than 0.01 % total harmonic distortion)

PHONO-1, 2 (MM)

2.5 mV/47 kilohms

(Max. input capability: 200 mV at 1 kHz, less than 0.01 % total harmonic distortion)

AUX, TUNER, TAPE PLAY-1, 2

250 mV/27 kilohms

Output level and impedance (1,000 Hz)

TAPE REC-1, 2

250 mV into 47 kilohms/

600 ohms

Channel separation (1 kHz, at rated power output)

PHONO-1, 2 (MC)

50 dB

PHONO-1, 2 (MM)

60 dB

AUX, TUNER, TAPE PLAY-1, 2

80 dB

Signal to noise ratio (short-circuit, A network)

PHONO-1, 2 (MC)

74 dB

PHONO-1, 2 (MM)

90 dB

AUX, TUNER, TAPE PLAY-1, 2

110 dB

Controls

BASS

+8dB, -8 dB at 50 Hz

Tone selector

150 Hz, 300 Hz

TREBLE

+8dB, -8 dB at 15 kHz

Tone selector

3 kHz, 6 kHz

Filter

16 Hz

-3 dB at 16 Hz (6 dB/oct)

20 kHz

-3 dB at 20 kHz (6 dB/oct)

MUTING

-20 dB

Power requirements

Power voltage

100, 120, 220, 240 V (50/60 Hz)

For U.S.A. & Canada

120 V (60 Hz)

Power consumption

Rated consumption

520 watts 650 VA

Dimensions

445 mm (17 9/16") W

163 mm (6 7/16") H

403 mm (15 7/8") D

Weight

13.7 kg (30.2 lbs) net

15.4 kg (34.0 lbs) packed

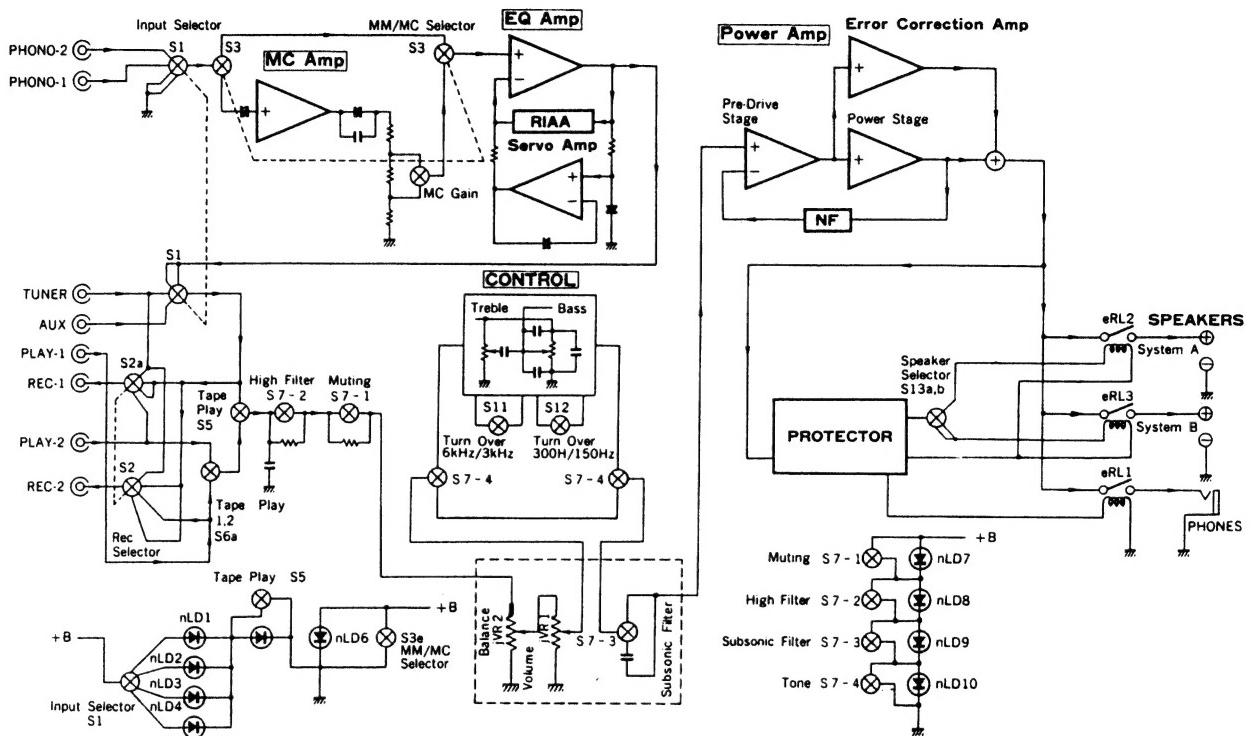
* Design and specifications subject to changes without notice for improvements.

* In order to simplify the explanation, illustrations may sometimes differ from the originals.

Sansui

SANSUI ELECTRIC CO., LTD

1. BLOCK DIAGRAM



2. OPERATION

2-1. Super Feedforward Amplifier

This amplifier was developed by combination of conventional negative feedback and feedforward techniques.

This feedforward technique helps to eliminate distortions which can not be achieved by the NFB.

The feedforward technique is a technique to nullify, in principle, all types of distortions at the output point by adding distortions of reverse phase but of equal amplitude as those generated in the power amplifier.

The NFB makes use of distortion generated by the output stage and feeds it back to the input, the output stage is bound to have distortion. Therefore, in order to reduce distortion to zero an infinite amount of NFB is required and as a result an amplifier of infinite gain becomes necessary, which is not available in reality.

On the other hand, the feedforward is unlike NFB, finite amount of feedforward can theoretically reduce distortion to zero over a wide frequency range as the feedforward amount does not have to be reduced at higher frequencies.

2-2. Operation of Super Feedforward Amplifier

Fig. 2-2 shows a block diagram of super feedforward amplifier. This circuit consists of voltage amplifier (A1), power amplifier (A2), error correction amplifier (A3) and summing network (Z_1 & Z_2).

Distortion marked Δ is generated by A2 and reverse phased distortion is produced by NFB and fed to A2 and A3.

Reverse phased distortion fed to A2 reduces the form of distortion after NFB and reverse phased distortion fed to A3 is amplified without phase changing.

Fig. 2-1. Shows how distortions can be nulled by application of feedforward.

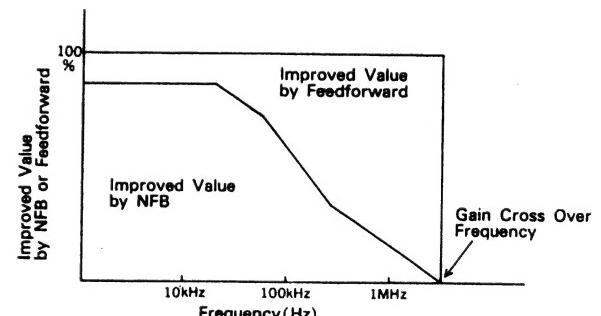


Fig. 2-2.

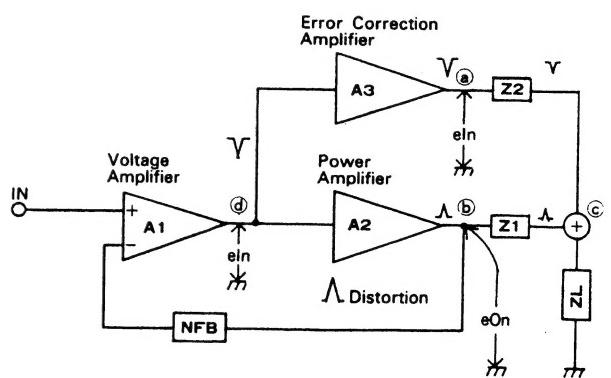


Fig. 2-3 shows distortion voltage (e_{On}) at point (b) and (e_{In}) at point (a). When these two distortions are added by summing network (Fig. 2-4), complete cancellation from DC to gain cross over frequency is achieved.

The component values of the summing network are decided by both the loop gain of NFB amplifier and the cut-off frequency of phase compensating circuit.

Error correction amplifier

Error correction amplifier A3 produces very small power required for distortion cancellation in the summing network. For example, if the 100 W amplifier generates 1% distortion, the power is only 10 mW. Therefore, small type of amplifier is used as error correction amplifier. On the actual super feedforward amplifier (Fig. 2-5), L is associated with L_x as mutual-coupling for low power driving of the error correction amplifier, and R4 is substituted by internal resistance of L.

Fig. 2-3. Distortion value VS. Frequency at point (a) and (b).

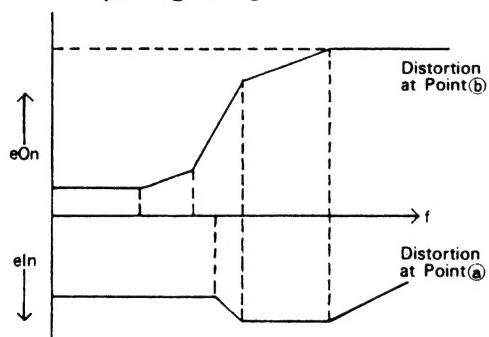


Fig. 2-4. Summing Network

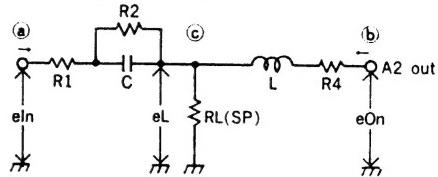
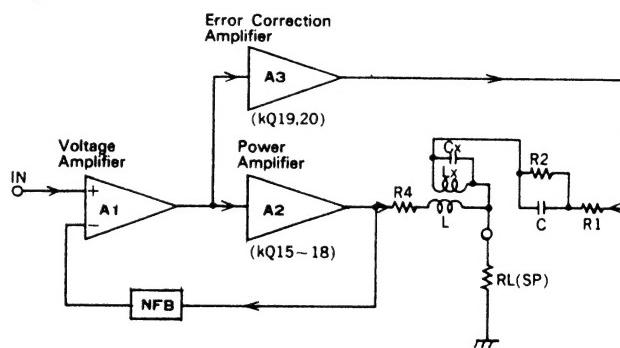


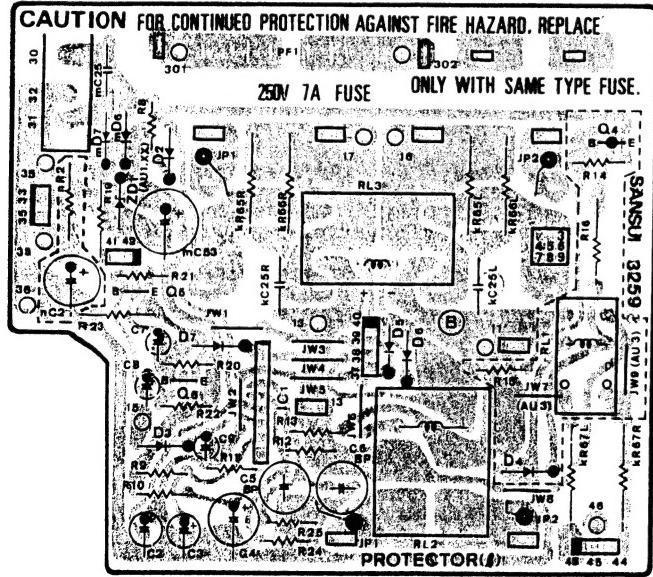
Fig. 2-5.



3. PARTS LOCATION & PARTS LIST

3-1. F-3259 Protector Circuit Board (Stock No. 07083601)

Component Side



Abbreviations

| | | | |
|--------|---|--------|--|
| C.R. | Carbon Resistor | E.L. | Low Leak Electrolytic Capacitor |
| S.R. | Solid Resistor | E.B. | Bi-Polar Electrolytic Capacitor |
| Ce.R. | Cement Resistor | E.B.L. | Low Leak Bi-Polar Electrolytic Capacitor |
| M.R. | Metal Film Resistor | T.a.C. | Tantalum Capacitor |
| F.R. | Fusing Resistor | F.C. | Film Capacitor |
| N.I.R. | Non-Inflammable Resistor | M.P. | Metallized Paper Capacitor |
| C.C. | Ceramic Capacitor | P.C. | Polystryrene Capacitor |
| C.T. | Ceramic Capacitor, Temperature Compensation | G.C. | Gimmie Capacitor |
| E.C. | Electrolytic Capacitor | | |

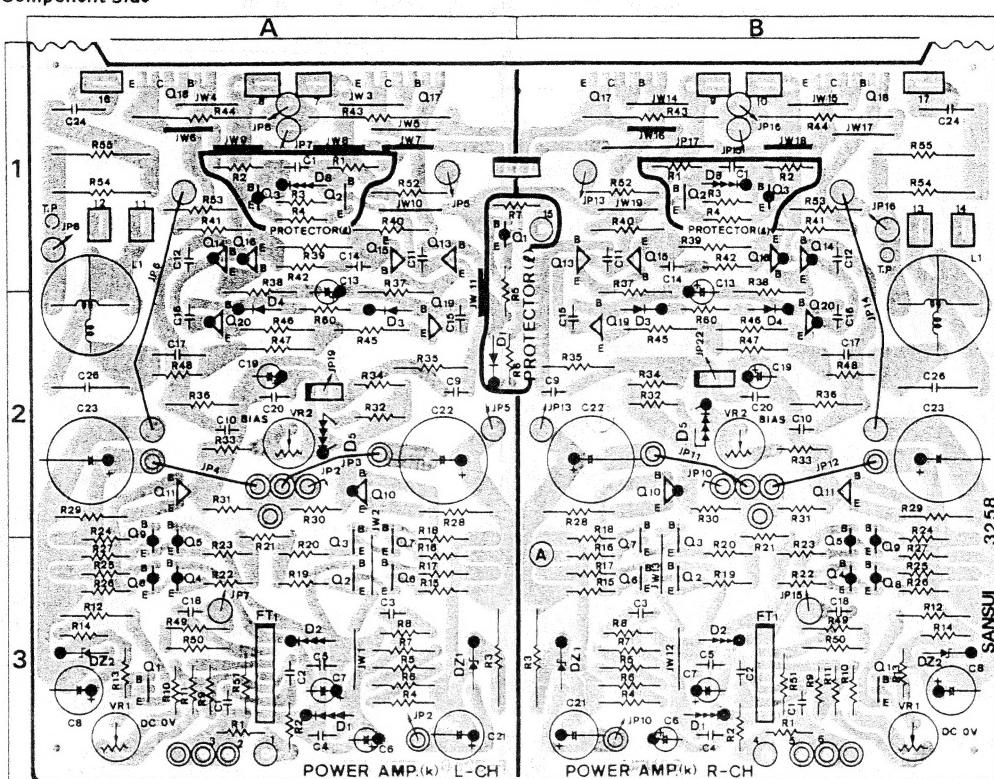
• Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors which was appended previously to each Sansui Manual.

Parts List

| Parts No. | Stock No. | Description |
|--------------|-------------|-------------------------------|
| KR65 | 00187700 | 22Ω 2W N.I.R. |
| KR66 | 00187700 | 22Ω 2W N.I.R. |
| KR67 | 00187800 | 220Ω 2W N.I.R. |
| KC25 | 00411600 | 0.047μF 400V P.C. |
| • Transistor | | |
| IQ4 | 07197001, 2 | 2SA733A Q, P |
| IQ5 | 03059502, 3 | 2SC945 P, K |
| IQ6 | 03059502, 3 | 2SC945 P, K |
| • IC | IIC1 | 03069000 HA12002 |
| • Diode | ID2 | 03111600 1S2473D |
| | ID3 | 03111600 1S2473D |
| | ID4 | 03117700 10E-2 |
| | IR19 | 00181800 2.7kΩ 1W N.I.R. |
| | IC5 | 00302600 100μF 6.3V E.B. |
| | IC6 | 00302600 100μF 6.3V E.B. |
| | IRL1 | 11508200 Relay |
| | IRL2 | 11504800 Relay |
| | IRL3 | 07198400 Relay |
| • Diode | mD6 | 07112300 10DF-2 |
| | mD7 | 07112300 10DF-2 |
| | | 07203600 8P Terminal, speaker |
| pF1 | 07189000 | Fuse 250 V 4A (220 V ~ 240 V) |
| | 07189400 | Fuse 250 V 8A (100 V ~ 120 V) |

3-2. F-3258 Power Amp Circuit Board (Stock No. 07084001)

Component Side

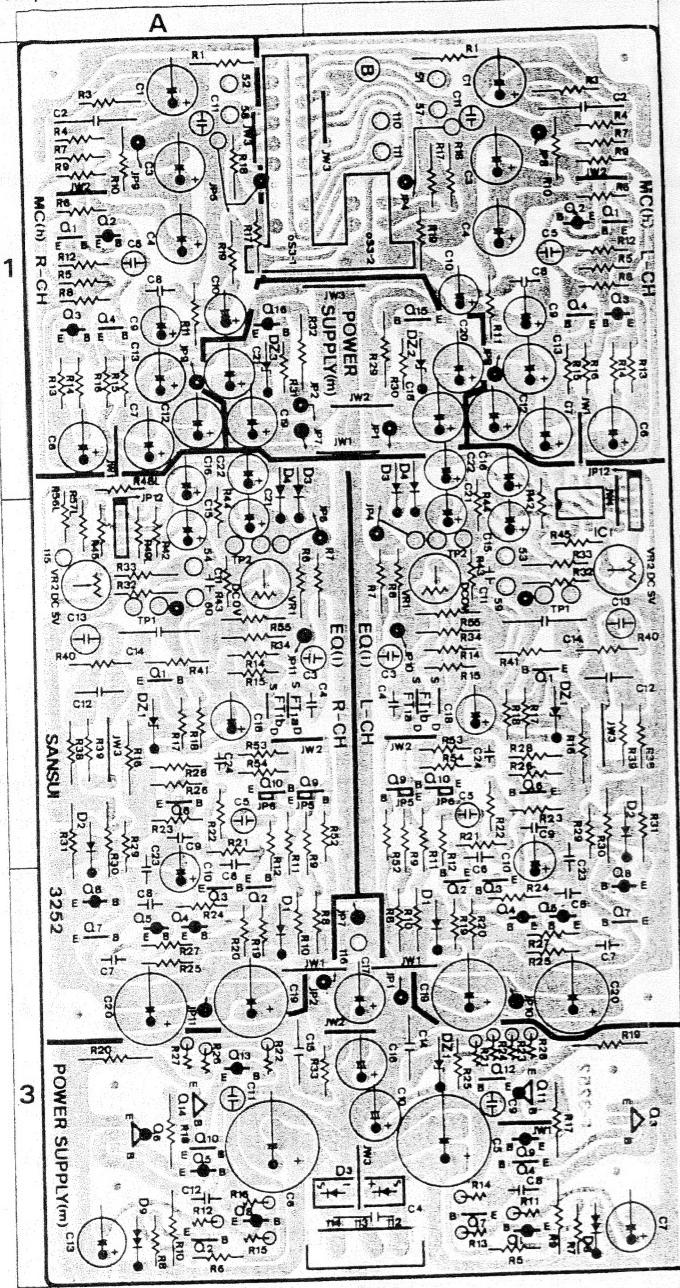


Parts List

| Parts No. | Stock No. | Description | Parts No. | Stock No. | Description |
|---------------|-------------|-----------------------|--------------|-------------|------------------------------------|
| ● Transistor | | | kC1 | 00371200 | 22pF 125V P.C. |
| Q1 | 03067400, 1 | 2SC1845 F, E | kC2 | 00371200 | 22pF 125V P.C. |
| Q2 | 03067400, 1 | 2SC1845 F, E | kC4 | 00407400 | 0.033μF 100V F.C. |
| Q3 | 03067400, 1 | 2SC1845 F, E | kC5 | 00407400 | 0.033μF 100V F.C. |
| Q4 | 03010900, 1 | 2SA992 F, E | kC9 | 00403800 | 0.001μF 100V F.C. |
| Q5 | 03010900, 1 | 2SA992 F, E | kC10 | 00403800 | 0.001μF 100V F.C. |
| Q6 | 03067400, 1 | 2SC1845 F, E | kC11 | 00371700 | 33pF 125V P.C. |
| Q7 | 03067400, 1 | 2SC1845 F, E | kC12 | 00371700 | 33pF 125V P.C. |
| Q8 | 03010900, 1 | 2SA992 F, E | kC14 | 00405400 | 0.0047μF 100V F.C. |
| Q9 | 03010900, 1 | 2SA992 F, E | ● Varistor | | |
| Q10 | 03007901, 2 | 2SA899 B, V | KD5 | 03401601, 2 | STV-3H Y, G |
| Q11 | 03064001, 2 | 2SC1904 B, V | kC15 | 00370100 | 10pF 125V P.C. |
| Q13 | 03064001, 2 | 2SC1904 B, V | kC16 | 00370100 | 10pF 125V P.C. |
| Q14 | 03007901, 2 | 2SA899 B, V | KC17 | 00411300 | 33pF 125V P.C. |
| Q15 | 03069300, 1 | 2SC2238 O, Y | KC18 | 00371700 | 33pF 125V P.C. |
| Q16 | 03012400, 1 | 2SA968 O, Y | KC20 | 00407800 | 0.047μF 100V F.C. |
| Q17 | 07260200, 1 | 2SC2773LB O, Y | KC21 | 07262600 | 100μF 50V E.C. |
| Q18 | 07260100, 1 | 2SA1169LB O, Y | KC22 | 07262700 | 470μF 100V E.C. |
| Q19 | 03069300, 1 | 2SC2238 O, Y | KC23 | 07262700 | 470μF 100V E.C. |
| Q20 | 03012400, 1 | 2SA968 O, Y | KC24 | 00411600 | 0.047μF 100V E.C. |
| ● FET | | | KC26 | 00410300 | 0.47μF 250V F.C. |
| kFT1 | 03703601~4 | μPA68H L1, L2, M1, M2 | kL1 | 07210700 | Inductor |
| ● Varistor | | | kVR1 | 10341500 | 100Ω (B) Volume, center DC 0V adj. |
| KD1 | 03401700 | MV-103 | kVR2 | 10342100 | 1kΩ (B) Volume, bias current adj. |
| KD2 | 03401700 | MV-103 | ● Transistor | | |
| ● Diode | | | IQ1 | 03010900, 1 | 2SA992 F, E |
| KD3 | 03111600 | 1S2473D | IQ2 | 03065200~2 | 2SC1439 G, B, V |
| KD4 | 03111600 | 1S2473D | IQ3 | 07219800~2 | 2SA858 G, B, V |
| ● Zener Diode | | | ● Diode | | |
| KDZ1 | 03171900 | RD27F B | ID1 | 03111600 | 1S2473D |
| KDZ2 | 03165700 | RD33E B | ID5 | 03117700 | 10E-2 |
| KR3 | 00187400 | 1.8kΩ 2W N.I.R. | ID6 | 03117700 | 10E-2 |
| KR43 | 07221600 | 0.22Ω 5W Ce.R. | ID7 | 03111600 | 1S2473D |
| KR44 | 07221600 | 0.22Ω 5W Ce.R. | ● Varistor | | |
| KR54 | 00187700 | 22Ω 2W N.I.R. | ID8 | 03401700 | MV-103 |
| KR55 | 00187700 | 22Ω 2W N.I.R. | | | |

3-3. F-3252 Equalizer Amp & Power Supply Circuit Board (Stock No. 07083901)

Component Side



Parts List

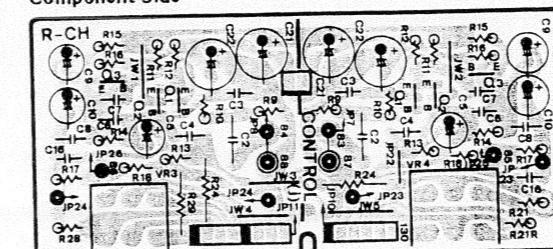
| Parts No. | Stock No. | Description |
|-------------|-------------|-------------------|
| •Transistor | | |
| hQ1 | 03068500, 1 | 2SC1844 F, E |
| hQ2 | 03011700, 1 | 2SA991 F, E |
| hQ3 | 03010900, 1 | 2SA992 F, E |
| hQ4 | 03067400, 1 | 2SC1845 F, E |
| hC1 | 00324500 | 220μF 25V E.L. |
| hC2 | 00407800 | 0.047μF 100V M.P. |
| hC8 | 00407800 | 0.047μF 100V M.P. |
| •Transistor | | |
| iQ1 | 03067400, 1 | 2SC1845 F, E |
| iQ2 | 03067400, 1 | 2SC1845 F, E |
| iQ3 | 03067400, 1 | 2SC1845 F, E |
| iQ4 | 03010900, 1 | 2SA992 F, E |
| iQ5 | 03010900, 1 | 2SA992 F, E |

Parts List

| Parts No. | Stock No. | Description |
|--------------|-------------|------------------------------------|
| iQ6 | 03067400, 1 | 2SC1845 F, E |
| iQ7 | 03064001, 2 | 2SC1904 B, V |
| iQ8 | 03007901, 2 | 2SA899 B, V |
| •FET | | |
| iFT1 | 03703500 | 2SK146 |
| •IC | | |
| iC1 | 03607700 | NJM4558D |
| •Diode | | |
| iD1 | 03111600 | 1S2473D |
| iD2 | 03111600 | 1S2473D |
| iD3 | 03111600 | 1S2473D |
| iD4 | 03111600 | 1S2473D |
| •Zener Diode | | |
| iDZ1 | 03163200 | RD13E C |
| iR39 | 00216900 | 2.2kΩ 1/2W M.R. |
| iR40 | 00222900 | 6.8kΩ 1/2W M.R. |
| iR41 | 00216500 | 20kΩ 1/2W M.R. |
| iC4 | 00371200 | 22pF 125V P.C. |
| iC6 | 00370100 | 10pF 125V P.C. |
| iC7 | 00370100 | 10pF 125V P.C. |
| iC8 | 00371700 | 33pF 125V P.C. |
| iC9 | 00371700 | 33pF 125V P.C. |
| iC11 | 00405200 | 0.0039μF 100V M.C. |
| iC12 | 00413900 | 0.033μF 100V M.P. |
| iC14 | 00414500 | 0.056μF 100V M.P. |
| iC23 | 00407800 | 0.047μF 100V M.P. |
| iVR1 | 10341500 | 100Ω (B) Volume, DC 0V adj. |
| iVR2 | 10342500 | 4.7kΩ (B) Volume, DC Servo 0V adj. |
| •Transistor | | |
| mQ1 | 03010900, 1 | 2SA992 F, E |
| mQ2 | 03067400, 1 | 2SC1845 F, E |
| mQ3 | 03084500, 1 | 2SD356 C, D |
| mQ4 | 03086101, 2 | 2SD357 D, E |
| mQ5 | 03067400, 1 | 2SC1845 F, E |
| mQ6 | 03010900, 1 | 2SB526 C, D |
| mQ7 | 03032800, 1 | 2SB527 D, E |
| mQ8 | 03067400, 1 | 2SC1845 F, E |
| mQ9 | 03010900, 1 | 2SA992 F, E |
| mQ10 | 03067400, 1 | 2SC1845 F, E |
| mQ11 | 03032800, 1 | 2SB526 C, D |
| mQ12 | 03067400, 1 | 2SC1845 F, E |
| mQ13 | 03010900, 1 | 2SA992 F, E |
| mQ14 | 03084500, 1 | 2SD356 C, D |
| mQ15 | 03085200, 1 | 2SD438 D, E |
| mQ16 | 03033600, 1 | 2SB560MP D, E |
| •Diode | | |
| mD3 | 07193300 | UB-152LFF |
| •Varistor | | |
| mD8 | 03401500 | MV-12 |
| mD9 | 03401500 | MV-12 |
| •Zener Diode | | |
| mDZ1 | 03163100 | RD13E B |
| mDZ2 | 03163300 | RD15E B |
| mDZ3 | 03163300 | RD15E B |
| mC4 | 00411800 | 0.1μF 250V M.P. |
| mC8 | 00407800 | 0.047μF 100V M.P. |
| mC12 | 00407800 | 0.047μF 100V M.P. |
| mC14 | 07255800 | 0.22μF 200V M.P. |
| mC15 | 07255800 | 0.22μF 200V M.P. |
| oS3 | 07219000 | Push Switch, phono mc gain |

3-4. F-3466 Bass, Treble Volume Circuit Board (Stock No. 00633501)

Component Side



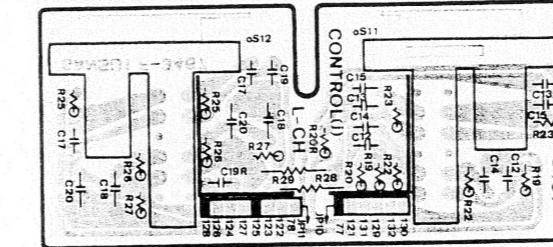
Parts List

| Parts No. | Stock No. | Description |
|-------------|-----------|--------------------------|
| •Transistor | jQ1 | 03067400, 1 2SC1845 F, E |

• Note: The circuit board, F-3249, F-3253, F-3239, F-3240, F-3246, F-3250, F-3251, F-3255, F-3467, F-3257, F-3260, F-3261, F-3382 & F-3383 are not supplied as the assembled. However, the individual parts on the circuit board are provided by orders.

3-5. F-3467 Turn-over Circuit Board

Component Side



Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|--------------------|
| jC12 | 00404200 | 0.0015μF 100V M.C. |
| jC13 | 00406000 | 0.0082μF 100V M.C. |
| jC14 | 00404000 | 0.0012μF 100V M.C. |
| jC15 | 00405800 | 0.0068μF 100V M.C. |
| jC17 | 00406600 | 0.015μF 100V M.C. |
| jC18 | 00408400 | 0.082μF 100V M.C. |
| jC19 | 00406600 | 0.015μF 100V M.C. |
| jC20 | 00408400 | 0.082μF 100V M.C. |

3-6. F-3249 Input Terminal Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|-------------------------------------|
| nR1 | 00182800 | 3.9kΩ 1W N.I.R. |
| oS1 | 07219600 | Rotary Slide Switch, input selector |
| oS2 | 07219500 | Rotary Slide Switch, rec selector |
| 22006300 | | 4P Input Terminal, phono-1, 2 |
| 22006200 | | 4P Input Terminal, tuner, aux |
| 22006500 | | 4P Input Terminal, tape-1, 2 |

3-7. F-3253 Control Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|--|
| jC1 | 00404800 | 0.0027μF 100V M.C. |
| jC7 | 00408000 | 0.056μF 100V M.C. |
| jVR2 | 07218200 | 250kΩ (MN) Volume, balance |
| oS7 | 07271800 | Push Switch, tone, low/high-filter, muting |

Parts List

| Parts No. | Stock No. | Description |
|-----------|-------------|-----------------------------|
| jQ2 | 03067400, 1 | 2SC1845 F, E |
| jQ3 | 03010900, 1 | 2SA992 F, E |
| jC2 | 00409800 | 0.33μF 100V M.C. |
| jC3 | 00371700 | 33pF 125V P.C. |
| jC4 | 00407800 | 0.047μF 100V M.C. |
| jC6 | 00371200 | 22pF 125V P.C. |
| jC7 | 00370100 | 10pF 125V P.C. |
| jC8 | 00407800 | 0.047μF 100V M.C. |
| jC16 | 00371400 | 27pF 125V P.C. |
| jVR3 | 07271700 | Variable Resistor 100kΩ (C) |
| jVR4 | 07271700 | Variable Resistor 100kΩ (C) |
| oS11 | 07271600 | Push Switch |
| oS12 | 07271500 | Push Switch |

3-8. F-3239 Tape-Play Switch Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|----------------------------------|
| oS2 | 07218700 | Push Switch, tape play (on, off) |

3-9. F-3240 Tape-Play 1/2 Selector Switch Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|------------------------------------|
| oS3 | 07218900 | Push Switch, tape play (play-1, 2) |

3-10. F-3

3-14. F-3251 Speakers Switch Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|---------------------------------|
| oS13 | 07219400 | Rotary Switch, speaker selector |

3-15. F-3260 Power Indicator Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|-------------------|
| | 07581900 | 1P L.E.D. Holder |
| •LED | nLD11 | 03193700 SEL1110S |

3-16. F-3261 Input Indicator Circuit Board

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|-------------------|
| | 07581900 | 1P L.E.D. Holder |
| •LED | nLD1 | 03193700 SEL1110S |
| nLD2 | 03193700 | SEL1110S |
| nLD3 | 03193700 | SEL1110S |
| nLD4 | 03193700 | SEL1110S |
| nLD5 | 03193700 | SEL1110S |
| nLD6 | 07246200 | SEL1710K |

4. ADJUSTMENTS

- Notes:
1. Before adjusting, set the unit in horizontally.
 2. Level Volume Minimum
 3. Room Temperature $18^{\circ}\text{C} \sim 28^{\circ}\text{C}$
($65^{\circ}\text{F} \sim 83^{\circ}\text{F}$)
 4. For this adjustment, run the unit for more than 3 minutes after the power is switched ON.

3-17. F-3382 Rectifier Circuit Board (L-ch)

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|-----------------|
| •Diode | mD4 | 03112900 SS-3 |
| | mD5 | 03113000 SS-3R |
| mR69 | 00190300 | 4.7kΩ 2W N.I.R. |
| mR70 | 00190300 | 4.7kΩ 2W N.I.R. |

3-18. F-3383 Rectifier Circuit Board (R-ch)

Parts List

| Parts No. | Stock No. | Description |
|-----------|-----------|-----------------|
| •Diode | mD4 | 03112900 SS-3 |
| | mD5 | 03113000 SS-3R |
| mR69 | 00190300 | 4.7kΩ 2W N.I.R. |
| mR70 | 00190300 | 4.7kΩ 2W N.I.R. |

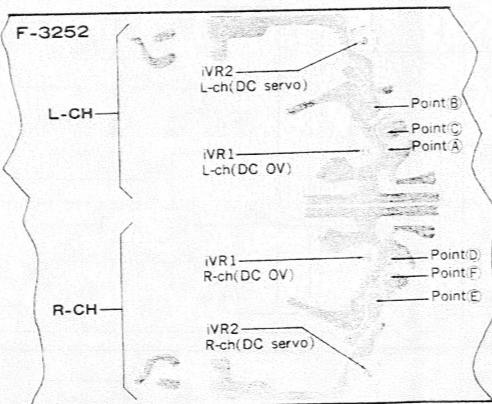


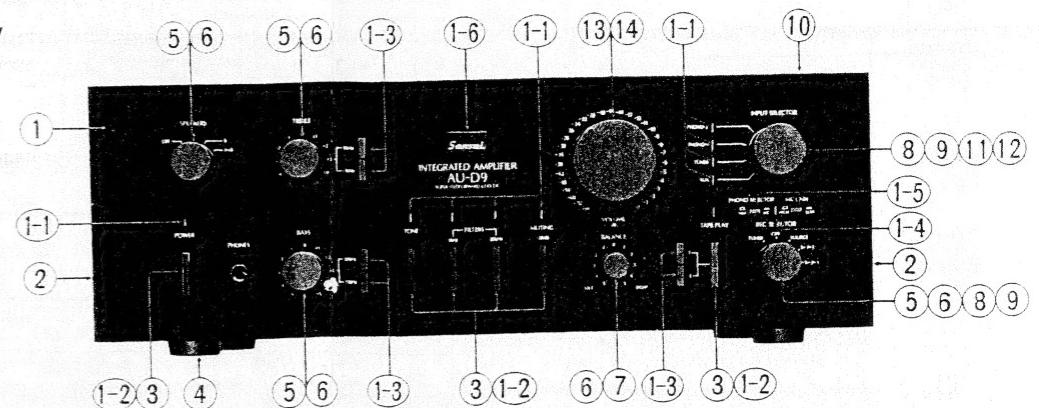
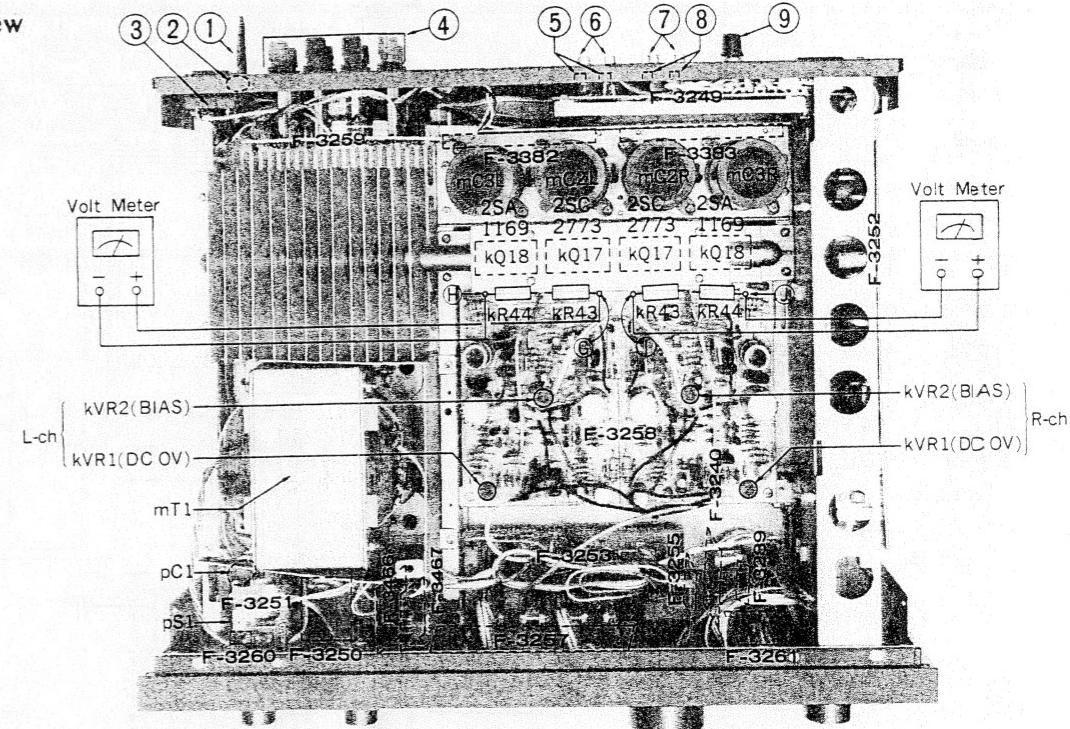
Fig. 4-1

4-1. F-3258 Driver Circuit Adjustment (See Top View)

| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|------------------------|--|---------------------|------------|--|
| 1. | DC 0V Adj. L-CH | Speaker terminal | kVR1, L-ch (F-3258) | DC 0V | Before turning ON power switch, set kVR1 to center position. |
| 2. | DC 0V Adj. R-CH | Speaker terminal | kVR1, R-ch (F-3258) | DC 0V | |
| 3. | Bias current Adj. L-CH | Between emitters of power transistors, kQ17 & kQ18 (between ⑥ & ⑦) | kVR2, L-ch (F-3258) | DC 10 mV | Before turning ON power switch, turn kVR2 fully counterclockwise. This bias current adjustment converts current value into voltage by Ohm's law. |
| 4. | Bias current Adj. R-CH | Between emitters of power transistors, kQ17 & kQ18 (between ① & ②) | kVR2, R-ch (F-3258) | DC 10 mV | |

4-2. F-3252 Equalizer Circuit Adjustment (Fig. 4-1)

| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|-------------------------|---------------------------------|---------------------|------------|----------------------------------|
| 1. | DC 0V Adj. L-CH | Between Point ⑧ & Point ⑨ (GND) | iVR1, L-ch (F-3252) | DC 0V | Connect Point ⑩ to Point ⑨ (GND) |
| 2. | DC 0V Adj. R-CH | Between Point ⑩ & Point ⑪ (GND) | iVR1, R-ch (F-3252) | DC 0V | Connect Point ⑫ to Point ⑪ (GND) |
| 3. | DC 0V Adj. L-CH (Servo) | Between Point ⑧ & Point ⑨ (GND) | iVR2, L-ch (F-3252) | DC 0V | |
| 4. | DC 0V Adj. R-CH (Servo) | Between Point ⑩ & Point ⑪ (GND) | iVR2, R-ch (F-3252) | DC 0V | |

5. OTHER PARTS**5-1. Front View****5-2. Top View**

Parts List <Front View>

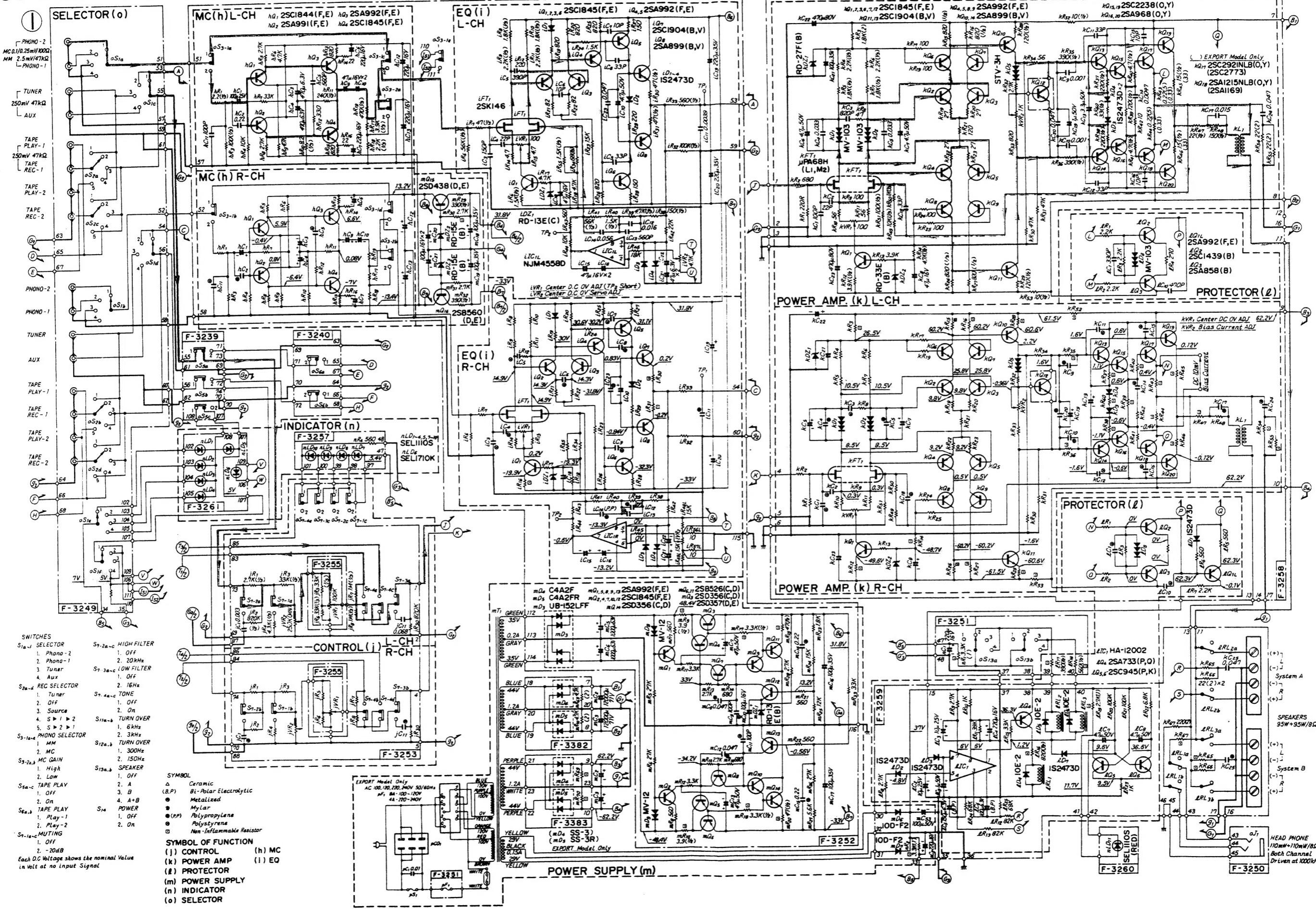
| Parts No. | Stock No. | Description |
|-----------|-----------|--|
| 1 | 07575700 | Front Panel Ass'y |
| 1-1 | 07578000 | Indicator Plate, red |
| 1-2 | 07581200 | Push Knob Guide, power, tone, filters, muting, tape play |
| 1-3 | 07578400 | Push Knob Ass'y, 6/3 kHz, 300/150 Hz, tape play 1/2 |
| 1-4 | 07578100 | Indicator Plate, green |
| 1-5 | 71061500 | Push Knob Ass'y, phono selector, MC gain |
| 1-6 | 07582700 | Sansui Badge |
| 2 | 07571200 | Side Panel |
| 3 | 07580500 | Push Knob, power, tone, filters, muting, tape play |
| 4 | 55073500 | Leg |
| 5 | 07520900 | Knob, speakers, treble, bass, rec selector |
| 6 | 07595300 | Masking Sheet (D), speakers, treble, bass, balance, rec selector |
| 7 | 07521000 | Knob, balance VR |
| 8 | 60460410 | Coupler, joint shaft |
| 9 | 63062310 | Bearing Plate, joint shaft |
| 10 | 07585120 | Wood Bonnet Ass'y |
| 11 | 07520800 | Knob, input selector SW |
| 12 | 50485300 | Masking Sheet (A), input selector |
| 13 | 07520700 | Knob, master VR |
| 14 | 07595200 | Masking Sheet (C), master VR |

Parts List <Top View>

| Parts No. | Stock No. | Description |
|-----------|-----------|------------------------------|
| 1 | 38004700 | Power Cord |
| 2 | 39106000 | Strain Relief 4φ |
| 3 | 07217500 | AC Outlet |
| 4 | 07203600 | 8P Speaker Terminal |
| 5 | 22006500 | 4P Input Terminal, tape |
| 6 | 22006200 | 4P Input Terminal, tuner aux |
| 7 | 22006300 | 4P Input Terminal, phono 1/2 |
| 8 | 22006500 | 4P Input Terminal, tape |
| 9 | 22301900 | Ground Terminal |
| pC1 | 00386000 | 0.01μF 150V C.C. |
| mC2 | 07259200 | 12000μF 71V E.C. |
| mC3 | 07259200 | 12000μF 71V E.C. |
| pS1 | 07259400 | Push Switch, power |
| mT1 | 15000601 | Power Transformer |

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- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

6. SCHEMATIC DIAGRAM



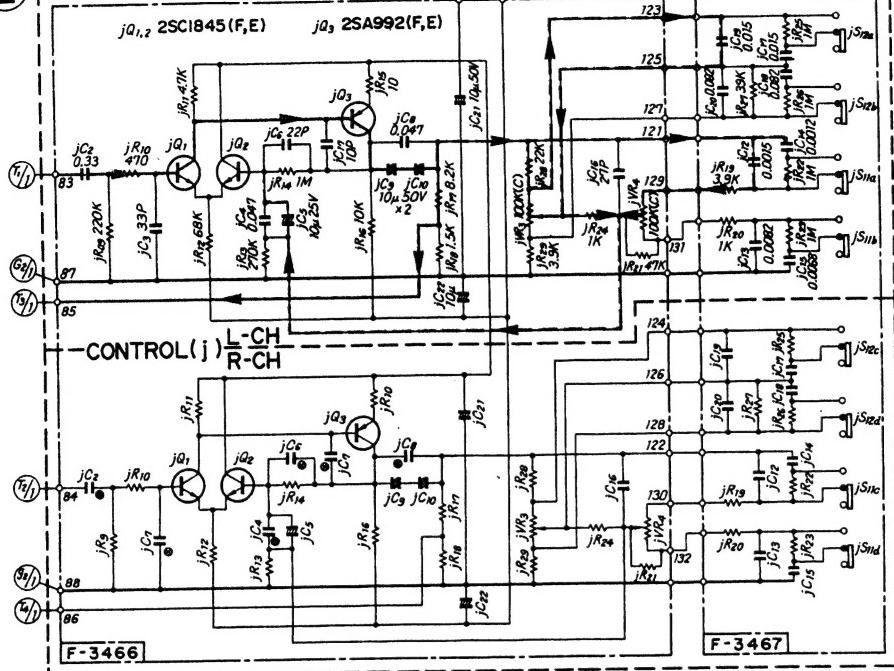
A

B

C

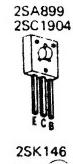
D

(2)



Signal Line
NFB Line

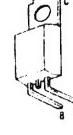
2SA733
2SA658
2SA991
2SA992
2SB560
2SC945
2SC1439
2SC1844
2SC1845
2SD438
2SK146



2SA968
2SC2238
μPA68H

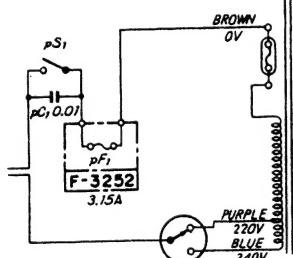


2SB526
2SD356

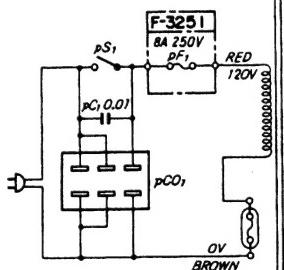


F-3467

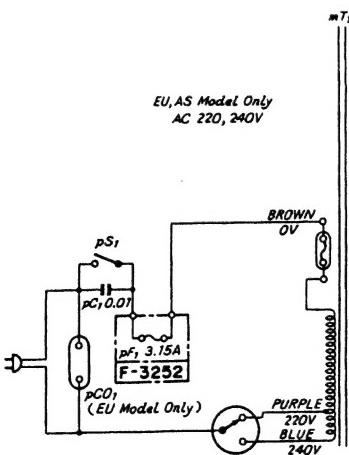
B5 Model Only
AC 240V



CSA Model Only
AC 120V 60Hz



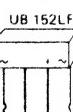
EU, AS Model Only
AC 220, 240V



RD 13E
RD 15E
RD 2/F



10DF 2
UB 152LFF



SS 3



SS 3R



MV12
MV103



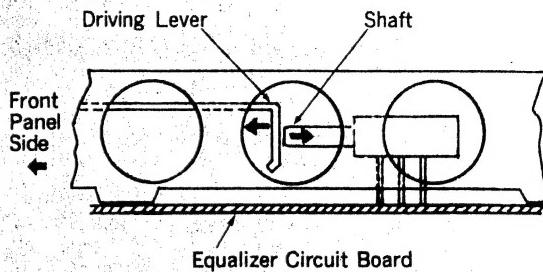
STV.3H



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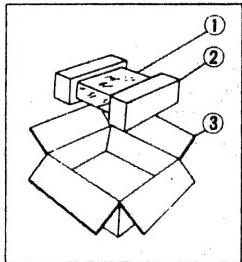
7. ATTACHMENT OF EQUALIZER CIRCUIT BOARD

- Push in each shaft of phono selector and MC gain switch on the equalizer circuit board.
- Keep pushing two driving levers with screw driver to front panel side. Then attach the board to chassis and tighten with mounting screws.
- After this replacement, check if the push switches function properly.



8. PACKING LIST

| Parts No. | Stock No. | Description |
|-----------|-----------|-------------------|
| 1 | 91167910 | Vinyl Cover |
| 2 | 07641100 | Styrofoam Packing |
| 3 | 07596200 | Carton Case |



9. ACCESSORY PARTS LIST

| Stock No. | Description |
|-----------|-----------------------|
| 07643800 | Operating Instruction |

Sansui

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